

**To:** CN=Mike Wireman/OU=R8/O=USEPA/C=US@EPA[]  
**Cc:** Chris Reimer [creimer@ngwa.org]; N=Ayn Schmit/OU=R8/O=USEPA/C=US@EPA[]  
**Bcc:** []  
**From:** CN=Gregory Oberley/OU=R8/O=USEPA/C=US  
**Sent:** Wed 7/18/2012 8:25:02 PM  
**Subject:** Re: Methane - Protocol to Assess Source  
[www.ngwa.org](http://www.ngwa.org)  
[www.wellowner.org](http://www.wellowner.org)  
[www.groundwateradventurers.org](http://www.groundwateradventurers.org)

I would refer to our Pavillion and National Hydraulic Fracturing Study QAPPs concerning methane analysis. It might be easiest to go to our Region 8 website for Pavillion and look at the latest version of the Pavillion QAPP. I think that we are up to v6. We have been using Isotek as the lab for stable carbon and hydrogen isotopes to determine the thermogenic or biogenic signatures. There are very few labs that do this work

Chris can call me if she has trouble finding the QAPP online. Actually here is the web link to the QAPP just to make it easier.

[ftp://ftp.epa.gov/r8/pavilliondocs/QA\\_Documents/QAPPs/SignedCopyPavillionQAPPv6Feb17\\_2012.pdf](ftp://ftp.epa.gov/r8/pavilliondocs/QA_Documents/QAPPs/SignedCopyPavillionQAPPv6Feb17_2012.pdf)

Gregory Oberley  
Aquifer Protection Team  
US EPA Region VIII (EP-EPR)  
1595 Wynkoop Street  
Denver, Colorado 80202

303-312-7043

**From:** Mike Wireman/R8/USEPA/US  
**To:** Chris Reimer <creimer@ngwa.org>  
**Cc:** Gregory Oberley/R8/USEPA/US@EPA, Ayn Schmit/R8/USEPA/US@EPA  
**Date:** 07/18/2012 12:43 PM  
**Subject:** Re: Methane - Protocol to Assess Source

Greg and Ayn - See Chris's email below - does EPA have any "protocol" or SOP for methane analysis - especially biogenic vs thermogenic?

mike

**From:** Chris Reimer <creimer@ngwa.org>  
**To:** Mike Wireman/R8/USEPA/US@EPA  
**Date:** 07/16/2012 09:03 AM  
**Subject:** Methane - Protocol to Assess Source

Hi Mike – As always it was great seeing you last week. As requested, just a reminder that I'd be interested in having a copy of any protocol that EPA has developed to assess and determine whether the source of methane in a water well is from or unrelated to oil and gas development in the area.

Thanks -- Chris

christine reimer| government affairs director  
national ground water association — dedicated to advancing groundwater knowledge  
601 dempsey road | westerville, ohio 43081 | usa  
800 551.7379 (614 898.7791), x 560 | fax 614 898.7786  
[www.ngwa.org](http://www.ngwa.org) | [www.wellowner.org](http://www.wellowner.org) | [www.groundwateradventurers.org](http://www.groundwateradventurers.org)

Strengthen the groundwater industry - remember the National Ground Water Research and Educational Foundation in your will or other charitable giving

This e-mail and any attachments are only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law.